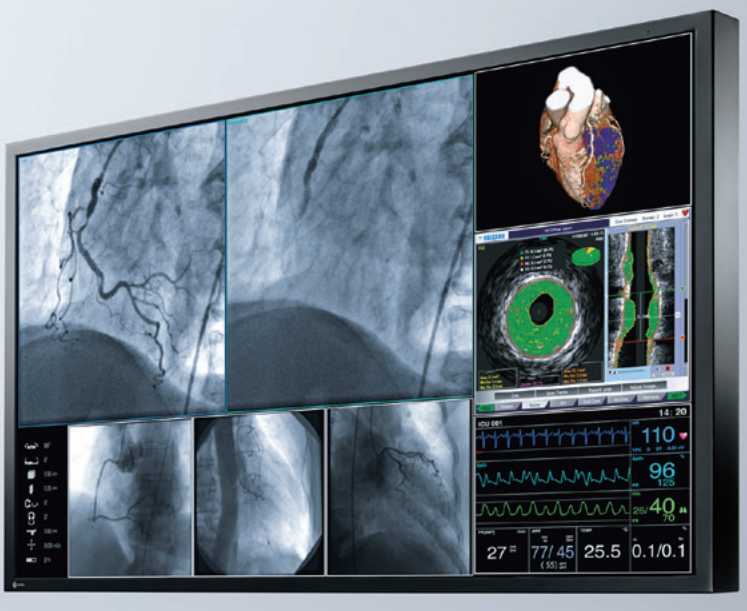
EIZO®

Surgical Monitor Solutions

RadiForce® L&E-Series

extracting the essence.

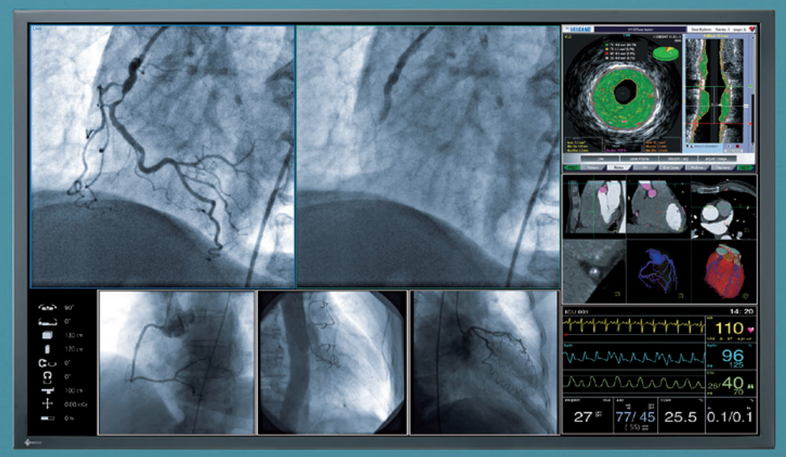


To carve out even the smallest details is essential in medical practice.

Because only people who can obtain a clear picture, and only those who can separate what is important from what is not, get clear results in medicine. Exceptional image quality, a perfectly coordinated network, support software, and excellent customer service are some of the reasons why EIZO RadiForce medical solutions can be found in leading hospitals around the world.

Because just like medical professionals, we always have one goal in mind:

extracting the essence.



Pictures courtesy of Siemens AG.

Selecting the Optimum Surgical Monitor

For the Interventional Radiology Room

High-Quality Images Enhance Surgical Efficiency

During Interventional Radiology (IR), a wide range of medical information and images are required simultaneously, thus cutting-edge display quality makes a difference by bringing out the details needed by the interventional radiologist.

Focal Point on a Single Monitor

With its size and resolution, EIZO's large-scale monitors for operating rooms can display images from multiple modalities simultaneously. This improves work efficiency while solving common issues encountered in multi-monitor environments like differences in panel color.

For the Control Room

Different Models for Reliable Integration

In the control room there is a need for high quality diagnostic monitors with larger screens and intelligent picture management to watch and control all applications and images used in the operating room from one centralized working place.

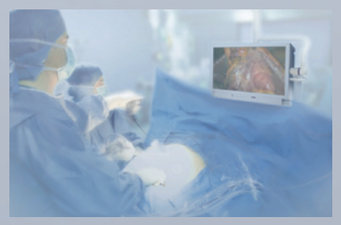
For the Operating Room

Room with a View

EIZO's large monitors reduce the overall equipment footprint in the operating room while increasing flexibility and efficiency for procedures. It can be quickly and easily set-up to display many gamma models, including DICOM Part 14 for a seamless extension of PACS (Picture Archiving and Communication System) into the operating room.

Monitors to Match Up with Endoscopic Systems

The advances in endoscopic video cameras used in procedures have increased demands placed on monitors deployed with these systems. EIZO monitors offer smooth rendering of the movements and variable color adjustments for easier tissue recognition.



Surgical Monitor Solutions

With increasing system connectivity, multiple systems and monitors are often used concurrently in surgical rooms. EIZO provides optimal solutions to ensure safe and reliable integration which meets the of diverse requirements.

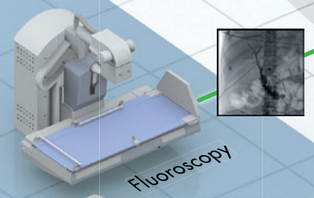
Large Monitor Manager

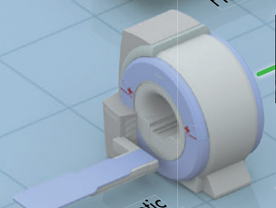
Gathers various video inputs, combines and arranges them in accordance with user preferences, and displays the resulting output on the monitors.

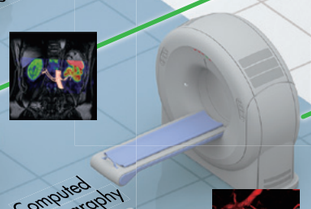
DVI Transmission Link

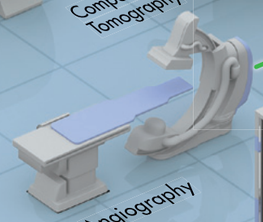
Picture Sources

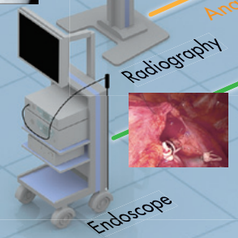
In modern hospitals there is an increasing number of varied image sources which need to be displayed at the same time in different application rooms.

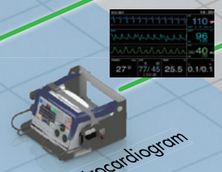












Digital signal

Picture courtesy of Toshiba Medical Systems Europe.

Control Room

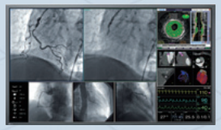
Data gathered from various sources and directed in accordance with the variable viewing configurations.

Interventional Radiology Room

Important pictures can be scaled to the desired size and less important information can be moved out from visible area. Different workflow scenarios can be predefined and recalled on demand.

Large Monitor

Offering information on a super-high-resolution widescreen is ideal for supporting efficient and smooth surgical operations.



Touch Panel Console Monitor

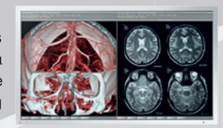
Quick and easy set up and recall of various screen layouts with touch functionality at the side of an operating table.

Wide Monitor

Displaying all information on only one monitor and controlling applications from one working place saves space, time and energy.

Large Screen Medical Monitor

Replacing traditional X-ray film and light boxes with large, DICOM compliant monitors provides a practical overview of medical images from multiple sources and enables integration of the operating room in to the PACS.



Endoscopic Monitor

Minimally invasive surgery requires monitors that can display internal organs and blood vessels with high-precision.

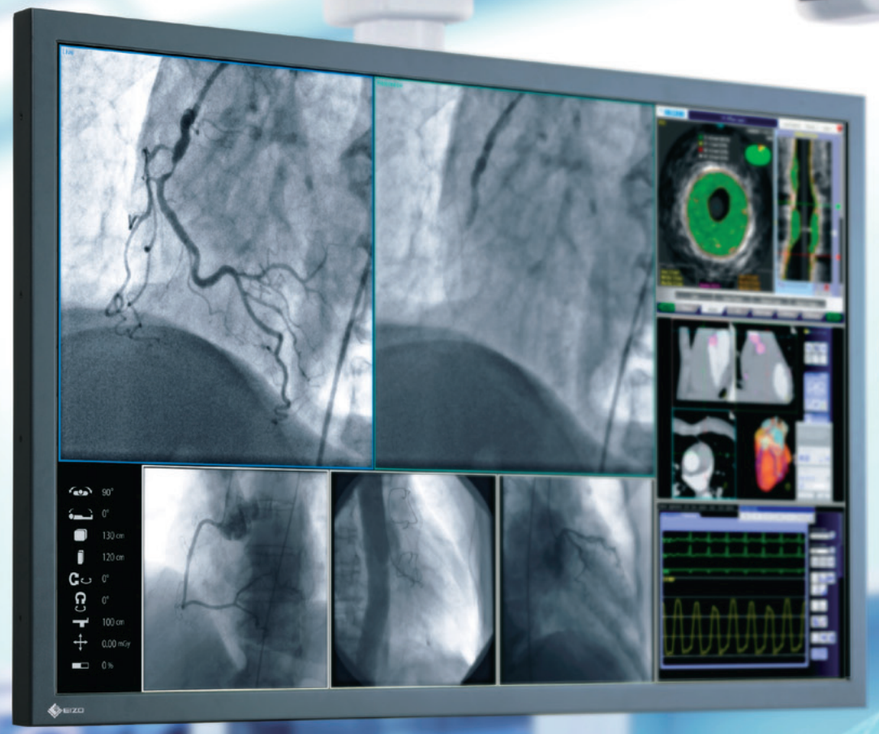
Operating Room

Flexible picture changes and arrangements on the different monitors in the operating room by the operating assistant improves the workflow of the operating team.

RadiForce® L&E-Series

Surgical Monitors

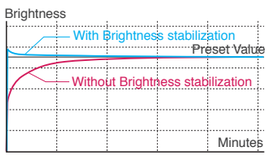
As the variety of different picture sources increases, state-of-the-art operating rooms are increasingly shifting from traditional X-ray film to displaying images on monitors. These images originate from boom and endoscopy cameras to C-arms and Picture Archiving and Communication Systems (PACS). With EIZO's RadiForce surgical monitors, all images can be conveniently provided for clear decision-making and the highest diagnostic precision.



Quick Brightness Stabilization for Instant Viewing

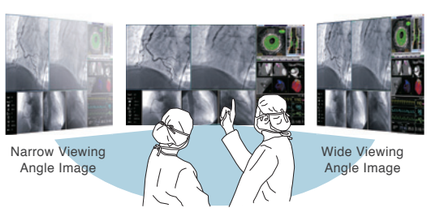
EIZO's fully automated stability function makes use of an internal backlight sensor to quickly stabilize the brightness level at startup and to compensate for fluctuations caused by variations in ambient temperature and the passage of time.

All models but E-Series.



Wide Viewing Angles for Multiple People Use

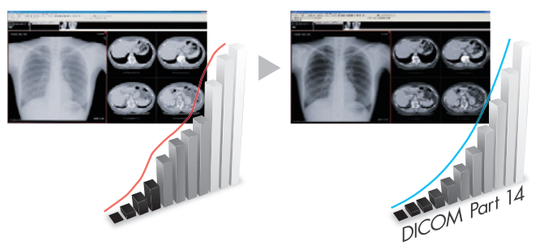
Thanks to the wide viewing angles, images can be viewed simultaneously by several people with the highest quality reproduction and minimal color shift.



Diagnostic Precision with Factory Adjustment

To ensure the most accurate and consistent shadings possible, EIZO carefully measures and sets every grayscale tone on the production line to offer monitors fully compliant with DICOM Part 14.

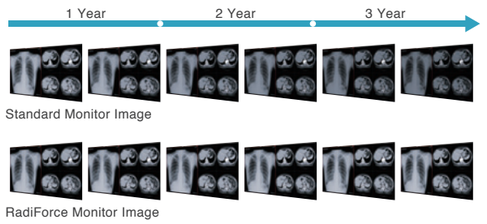
All models but E-Series.



Consistency with DICOM Part 14 Calibration

RadiForce monitors are calibrated to comply with DICOM Part 14 to offer rendering consistency over time.

All models but E-Series.



LCD Panel Protector for Easy Cleaning

Panel protector is pre-attached to the monitor during production or offered as an option to protect against dust and scratches. Clean lines and smooth surfaces also allow easy cleaning and disinfecting.

Arm Mountable VESA Compliance

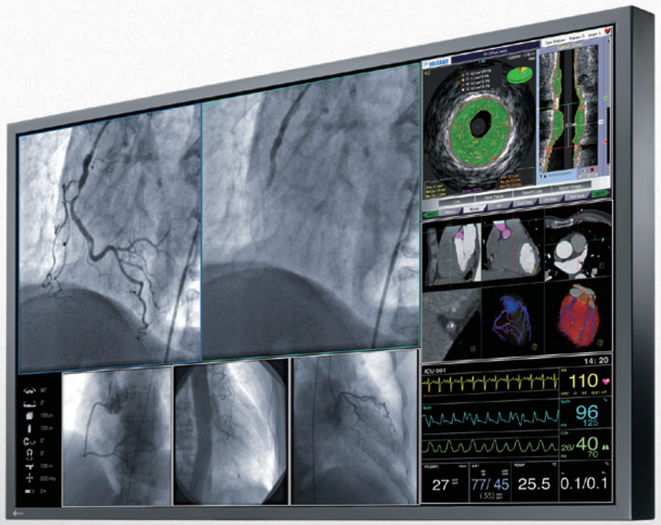
VESA compliance to be attached to existing mounting accessories.

Customer Assurance with Medical Standards

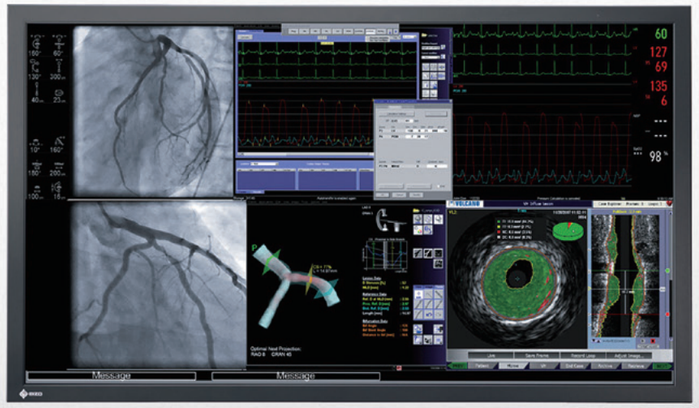
EIZO monitors meet the strictest medical, safety, and EMC emission standards.

Monitors for Interventional Radiology Rooms

With a selection ranging from space-saving compact screen monitors up to a 60-inch large screen for flexible image layouts, EIZO offers a complete spectrum of monitors for image distribution in the interventional radiology room.



LX600W
153 cm (60.1") LCD Monitor



LS560W
143 cm (56.2") LCD Monitor

LX300W
76 cm (29.8") LCD Monitor

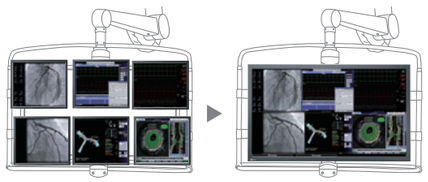
SMD 19102
48 cm (19") LCD Monitor

SCD 19102
48 cm (19") LCD Monitor

Features

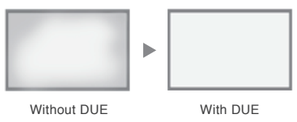
Everything in a Single Glance

Large widescreen monitors with high resolution can be used instead of single 1 Megapixel monitors in ceiling suspensions. Compared with multi-monitor scenarios, these large screen monitors have no regional color differences or obtrusive bezels, thus reducing eye fatigue and the potential for distraction.



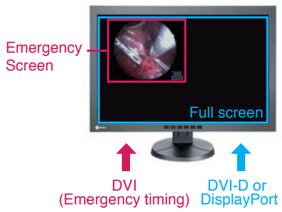
Brightness Uniformity for a Steadier Image Across the Screen

The Digital Uniformity Equalizer (DUE) function provides optimum backlight luminance uniformity which is considered difficult to attain due to the characteristics of LCD monitors, especially with larger screen sizes.



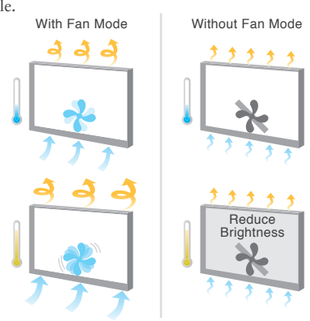
Fail-Safe Function

Special fail-safe mode through DVI input for emergency information from the system for a certain timing. As soon as the timing is active, the information will be shown immediately on the upper left screen side.



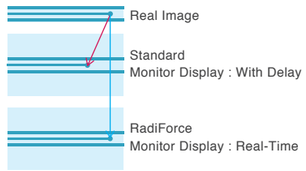
Controlled Cooling

The monitor features intelligent cooling concept by measuring and controlling the inside temperature. A mode without fan cooling is selectable so the controlled laminar airflow will be undisturbed within the room as far as possible.



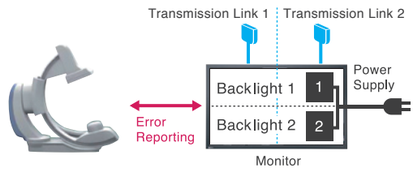
Work Safely with Minimal Picture Delay

With images displayed on the screen in real time, time critical aspects of image distribution are addressed to ensure e.g. safe catheter localization during insertion into an artery.



Operational Reliability Through Redundant Components

With its redundant components architecture (2 power supplies, 2 backlights, 2 transmission links), EIZO ensures a high degree of operational reliability for fail-safe environments. A monitoring function can be configured to notify the X-ray system if e.g. operating conditions become critical or a component fails.

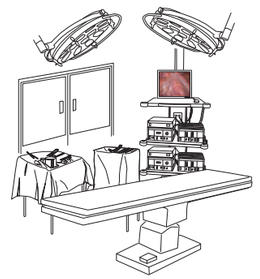


Environmentally-Friendly LED Backlight

By utilizing an energy-efficient LED as a backlight, the monitor achieves a high-brightness and low power consumption at the same time. Unlike conventional CCFL backlights, LED backlights deteriorate more slowly and thus the monitor offers a longer service life. Since the LED backlight is mercury free, it will reduce any potential impact on the environment when it is disposed of.

Space-Efficient Installation Alternative

With their compact size and VESA mount compatibility, the 19-inch monochrome and color monitors serve as efficient alternatives for use in environments with limited space.



Monitors for Control Rooms

29.8-inch or 27-inch wide screen is the ideal monitor size to watch and control all applications and images used in the operating room from the control room desk. High-end and standard models are available to fit your usage requirements.

RX440

76 cm (29.8") LCD Monitor

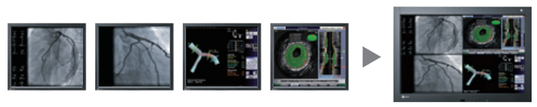
MX270W

68 cm (27") LCD Monitor

Features

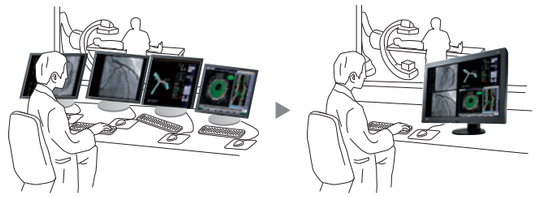
Everything on One Screen

Their high resolution is suitable for displaying and viewing large volumes of information on just one screen. This improves workflow efficiency and saves time.



Just the Right Size to Ensure a Direct View into the Operating Room

29.8-inch or 27-inch wide format screen size creates more free space for work efficiency in the control room and ensures a direct view into the operating room.



Brightness Uniformity for a Steadier Image Across the Screen

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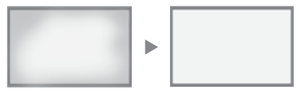
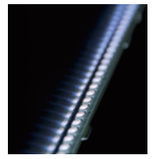


Without DUE　　With DUE

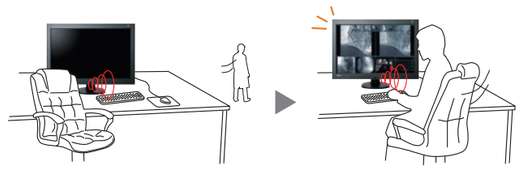
Environmentally-Friendly LED Backlight

By utilizing an energy-efficient LED as a backlight, the monitor achieves a high-brightness. Power consumption is reduced by 42% (EIZO' s internal measurement.) compared to the same size monitor with a conventional CCFL backlight. Since the LED backlight is mercury free, it will reduce any potential impact on the environment when it is disposed of.



Presence Sensor for Power Savings

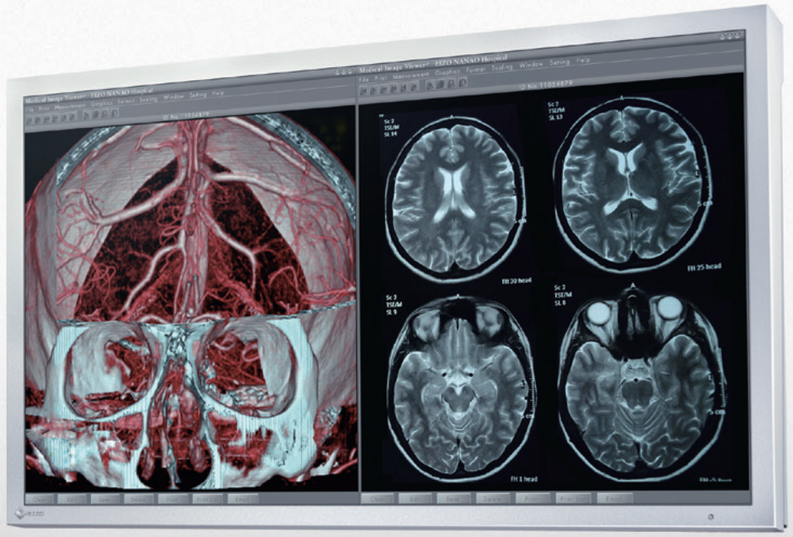
The presence sensor feature unites convenience with savings by ensuring that the monitor conserves power when it is not in use. The presence sensor prompts the monitor to switch to power save mode when it detects the user is away from the monitor, and then resume normal operation when the user returns.



Switch to power save at user's absence　　Screen activates at user's presence

Monitors for Operating Rooms

The 47-inch large screen monitor offers an ideal overview of medical images from multiple sources with a minimal operating room footprint. EIZO also offers two endoscopic system monitors in sizes suited for use in the OR. All operating room monitors may also used for applications with a direct connection to hospital computer systems.



LX470W
119 cm (47") LCD Monitor

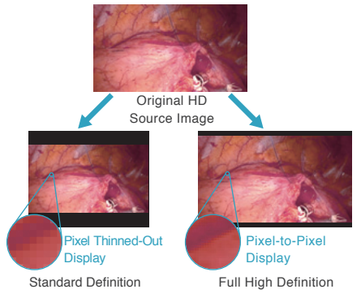
EX240W
61 cm (24") LCD Monitor

EX190W
48 cm (19") LCD Monitor

Features

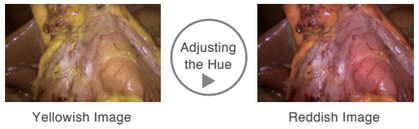
Full High-Definition

With a native resolution of 1920 x 1200 / 1920 x 1080, the monitor can display original, full HD images in 1920 x 1080 resolution without blurring or distortion.



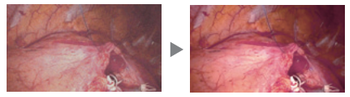
Colors to Fit the Physician's Preference

The color, hue, saturation, brightness, contrast, temperature and tones of the display can be adjusted to best fit the physician's color preference.



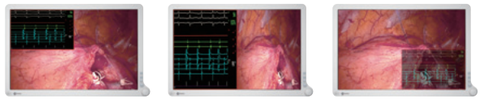
Noise Reduced and Image Sharpened

Identifies and reduces high pitched noise and recognizes and sharpens blurred areas to produce crisp, clear, and smooth images while maintaining fine image details.



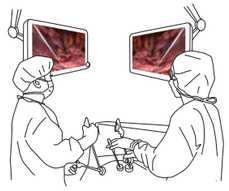
Dual Picture Viewing Modes

With Picture-in-Picture (PiP), Picture-and-Picture (PaP), and Picture-over-Picture (PoP) functions, archived images or patient data can be reviewed simultaneously during an operation.



Mirror Image for an Alternative Viewpoint

The mirror viewing function displays the inverse image of the original video signal to support the viewing direction of the surgical assistant. The Freeze, Zoom/Pan and Overscan functions are also available for ease of use during an operation.



Wide Range of Input and Output Support

EIZO offers multiple input signals to allow connections with both legacy and state-of-the-art endoscopic systems without the need of other optional devices or costs. With loop-through output support, the monitors are also ideally suited for multi-monitor integration or archiving in the operating room.

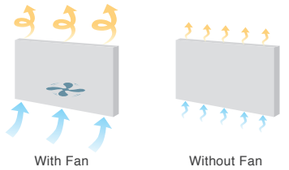
EX240W Input / Output Terminals

Safe Use with Antibacterial Monitor

Complies with ISO 22196 standards in regards to antimicrobial activity of antibacterial-treated monitor enclosures, to prevent biodeterioration and odor on the monitor.

Fanless Silent Design

Engineered to dissipate heat without a fan, thus keeping distracting noises and circulation of dust and germs out of the operating room while ensuring the controlled laminar airflow remains undisturbed within the room.



Large Monitor Manager & Signal Routing Solutions

The Large Monitor Managers gather various video inputs, combine and arrange them in accordance with user preferences, and display the resulting output flexibly on the connected monitors.
EIZO also offers flexible and easy-to-install signal routing solutions for use with its monitors and Large Monitor Managers.

LMM56800

LMM0801

LMM0802

LMM0804

PDS0800-HD

CID1000P

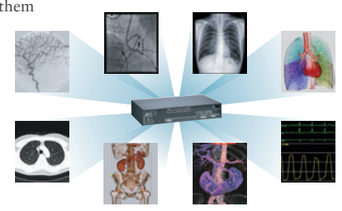
PDC0201

TDL3600 / TDL2300

Features

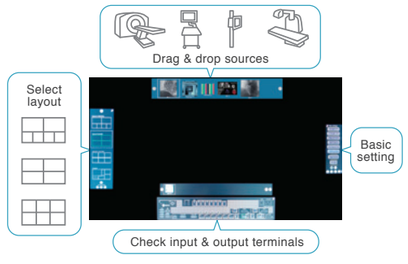
All Gather In One

The Large Monitor Manager bundles up different signal sources and enables you control them
from one location.



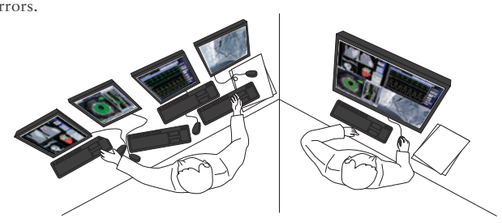
Saving time by Optimizing Workflow

Individual image placement and window size preferences can be easily arranged and recalled using the Large Monitor Manager.
Menu picture not valid for LMM56800.



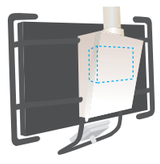
One Monitor, Keyboard and Mouse

Working with the Large Monitor Manager, the operator can focus on a single monitor, keyboard and mouse instead of juggling with multiple systems. This speeds up workflow and reduces the potential for handling errors.



Small and Compact Size

The small size allow flexible integration in existing systems, it can easily be mounted on a ceiling suspension, into a rack or into a wall console.



Common Interface

This network interface allows customer applications automated control of Large Monitor Managers. Layout changes and status information e.g. can directly be done from x-ray system.

Short Start-Up Time

The video signal is available at the output within 4 seconds. This guarantees immediate readiness, even after a power failure.

Local and Remote Control

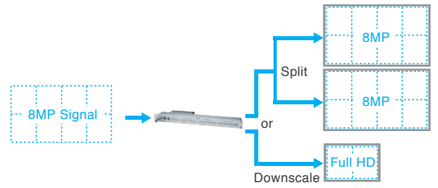
Layout edition or layout change, either can be done with local keyboard & mouse or remotely by browser interface. Simple user interface for layout change by using CID1000P.

Analog to Digital Converter

PDC0201 converts analog video to digital DVI format. The integrated Force Mode function supports unique analog input signals. With a range of accessories and high interconnectivity, the converter allows maximum flexibility for integration into existing systems.

Signal Splitter

By utilizing PDS0800-HD, signals coming from LMM56800 or LMM0802 are repeated and doubled to connect two 8 megapixel monitors. The HD output generates a downscaled representation of the content displayed on the large screen.



Signal Transmission for Long Distance

TDL enables transmission of high-quality video data of distance up to 36 meters with no quality loss. Ethernet cable transmission allows robust handling and simple setup which easily runs through small conduits and holes.

Medical Image Viewer
Eizo Nanao Hospital
Patients
Search
Schedule
Managers
References
Setting
Help
Patient Name:
077-00-003 047Y F
2011/10/10
152367-1235-55033-1200
Date
Modality
2011/10/10
CR
2009/08/12
MRI
2008/12/03
CT
2005/05/27
US
EIZO

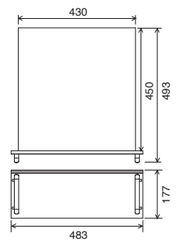
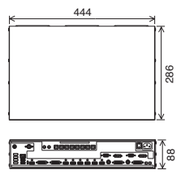
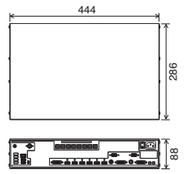
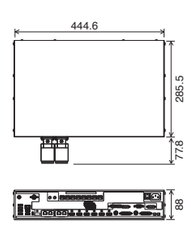
Specifications

LMM56800
Large Monitor Manager

LMM0802
Large Monitor Manager

LMM0801
Large Monitor Manager

LMM0804
Large Monitor Manager

LX600W	○	○	—	—
LS560W	○	○	—	—
LX300W	—	○	○	—
RX440	—	○	○	—
MX270W	—	—	○	—
LX470W	—	○	○	○
EX240W	—	○	—	○
Model Variations	—	—	LMM0801-L: WQXGA output LMM0801-WQHD: WQHD output LMM0801-FHD: FHD output	—
Cabinet Color	Black	Anthracite Gray	Anthracite Gray	Anthracite Gray
Input Terminals	Digital: HDMI connectors (DVI signals only) x 18 Digital / Analog: DVI-I x 3 Analog: D-Sub mini 15 pin x 3 21 simultaneous visible inputs	Digital: HDMI connectors (DVI signals only) x 6 Digital / Analog: DVI-I x 2 Analog: D-Sub mini 15 pin x 2, mini DIN x 2 8 simultaneous visible inputs (in 16 windows maximum)	Digital: HDMI connectors (DVI signals only) x 6 Digital / Analog: DVI-I x 2 Analog: D-Sub mini 15 pin x 2, mini DIN x 2 8 simultaneous visible inputs	Digital: HDMI connectors (DVI signals only) x 6 Digital / Analog: DVI-I x 2 Analog: D-Sub mini 15 pin x 2, mini DIN x 2 8 simultaneous visible inputs
Input Performance	Digital: DVI (single link), 1920 x 1200 maximum, 60 Hz (165 MHz pixelclock maximum, horizontal size 2048 maximum) Analog: max. 1600 x 1200, 60 Hz (3 Ports), 1280 x 1024 maximum, 75 Hz (3 Ports)	Digital: DVI-D (single link), 1920 x 1200 maximum, 60 Hz or 2048 x 1536, 30 Hz (165 MHz pixelclock maximum, horizontal size 2048 maximum) Analog: DVI-I, VGA, 1920 x 1200 maximum, 60 Hz (170 MHz pixelclock maximum, horizontal size 1920 maximum), S-Video (PAL/NTSC), SoG	Digital: DVI-D (single link), 1920 x 1200 maximum, 60 Hz or 2048 x 1536, 30 Hz (165 MHz pixelclock maximum, horizontal size 2048 maximum) Analog: DVI-I, VGA, S-Video (PAL/NTSC), 1920 x 1200 maximum, 60 Hz (170 MHz pixelclock maximum, horizontal size 1920 maximum), S-Video (PAL/NTSC), SoG	Digital: DVI-D (single link), 1920 x 1200 maximum, 60 Hz or 2048 x 1536, 30 Hz (165 MHz pixelclock maximum, horizontal size 2048 maximum) Analog: DVI-I, VGA, 1920 x 1200 maximum, 60 Hz (170 MHz pixelclock maximum, horizontal size 1920 maximum), S-Video (PAL/NTSC), SoG
Output Terminals	DVI-D (Dual Link) x 2	DVI-D (Dual Link) x 2, DVI-D (Single Link, HDMI connector, scaler output) x 1	DVI-D (Dual Link) x 1	DVI-D (Single Link) x 4, for TDL connection (RJ45 connector), HDMI connector (DVI Single Link signal only) x 1
Output Performance	(2048 x 2160) x 2 maximum	(2048 x 2160) x 2 (dual) maximum, (1920 x 1080) x 2, 2560 x 1600 (dual/single), 2560 x 1440 (dual/single), 1920 x 1200 (dual/single)	LMM0801-L: 2560 x 1600 (WQXGA), LMM0801-WQHD: 2560 x 1440 (WQHD), LMM0801-FHD: 1920 x 1080 (FHD)	1920 x 1200, 1920 x 1080, 1600 x 1200, 1280 x 1024
Communication Connector	Ethernet (RJ45)	Ethernet (RJ45)	Ethernet (RJ45)	Ethernet (RJ45)
USB Ports	—	USB downstream (for e.g. keyboard, mouse, joystick) x 6 USB upstream (for control of video applications on PCs) x 8	USB downstream (for e.g. keyboard, mouse, joystick) x 6 USB upstream (for control of video applications on PCs) x 8	USB downstream (for e.g. keyboard, mouse, joystick) x 6 USB upstream (for control of video applications on PCs) x 8
Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz, Redundancy: 2 independent power supplies, hot swap capable	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
Power Consumption	500 W	100 W	65 W	100 W
Degree of Protection	IP20	IP20	IP20	IP20
Net Weight	20 kg	5.3 kg	5.3 kg	5.4 kg
Mechanical Adaption	19" rack design, 4 U high	19" rack design, 2 U high	19" rack design, 2 U high	19" rack design, 2 U high
OSD Languages	—	English, German, French, Japanese	English, German, French, Japanese	English, German, French, Japanese
Controls and Status	Software control interface for layout, status and diagnosis, LED Indicators for power supplies	Graphical user interface and software control interface for operating, status and diagnosis, LED indicators for hardware status x 2, support of CID1000P	Graphical user interface and software control interface for operating, status and diagnosis, LED indicators for hardware status x 2, support of CID1000P	Graphical user interface and software control interface for operating, status and diagnosis, LED indicators for hardware status x 2, support of CID1000P
Certifications and Standards*	EN60950-1, CAN/CSA C22.2 No. 60950, UL60950, EN55022-Class-B, RoHS, China RoHS, WEEE	IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, UL60601-1, EN55022-Class-B, C-tick, RoHS, China RoHS, WEEE, CCC	IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, UL60601-1, EN55022-Class-B, C-tick, RoHS, China RoHS, WEEE, CCC	IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, UL60601-1, EN55022-Class-B, C-tick, RoHS, China RoHS, WEEE, CCC
Supplied Accessories	AC power cord x 2, Utility Disk (user's manual)	AC power cord (us, eu, cn, jp), adapter cables (HDMI ~ DVI) x 6, mounting brackets, screws x 4, Utility Disk (user's manual, service manual, test patterns)	AC power cord (us, eu, cn, jp), adapter cables (HDMI ~ DVI) x 6, mounting brackets, screws x 4, Utility Disk (user's manual, service manual, test patterns)	AC power cord (us, eu, cn, jp), adapter cable (HDMI ~ DVI), mounting brackets for rack or wall mount, screws x 4, TDL Transmitter x 2, Utility Disk (user's manual, service manual, test patterns)
Warranty	Two Years	Two Years	Two Years	Two Years
Dimensions (Unit:mm)				

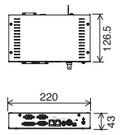
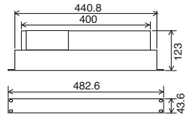
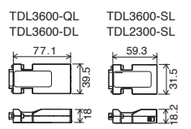
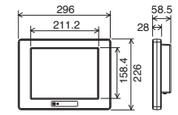
Please contact the EIZO group company or distributor in your country for the latest information.

PDC0201
Analog-DVI Converter

PDS0800-HD
DVI Splitter / Scaler

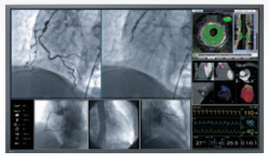
TDL3600 / TDL2300
DVI Transmission Link

CID1000P
Touch Panel Console Monitor

Model Variations	—	—	TDL3600-QL: Quad Link, 36 m TDL3600-DL: Dual Link, 36 m TDL3600-SL: Single Link, 36 m TDL2300-SL: Single Link, 23 m	—
Cabinet Color	Anthracite Gray	Light Gray	Silver	White
Panel	—	—	—	Type: TFT Color LCD Panel Size: 10.4" Brightness: 230 cd/m^2 (typical)
Input Terminals	D-Sub mini 15 pin (Separate, Composite, SoG) x 2, BNC (Composite, PAL, NTSC) x 1, 4 pin mini DIN (S-Video) x 1	DVI-D (dual link) x 2	TDL3600-QL: DVI-D (dual link) x 2 TDL3600-DL: DVI-D (dual link) x 1 TDL3600-SL / TDL2300-SL: DVI-D x 1	RS232 x 1
Input Performance	Analog: VGA, SVGA, XGA, SXGA, UXGA, PAL, NTSC, DVI (Single Link) x 1, Scanning Frequency: Analog 30 - 100 kHz, 50 - 100 Hz	1920 x 2160, 60 Hz x 2 (130 MHz Dot Clock)	Transmitter module at PC side (DVI-D ~ RJ45), Ethernet cable (RJ45 ~ RJ45), Receiver module at monitor side (RJ45 ~ DVI-D)	800 x 600
Output Terminals	DVI-D x 1, Analog (VGA / SVGA / XGA / SXGA / UXGA / PAL / NTSC) x 1	DVI-D (dual link) x 4, DVI-D (single link) x 1, mini DIN (YPbPr) x 1	TDL3600-QL: DVI-D (dual link) x 2 TDL3600-DL: DVI-D (dual link) x 1 TDL3600-SL / TDL2300-SL: DVI-D x 1	—
Output Performance	according to input signal: from 1280 x 960 to 1920 x 1200 or fixed 1280 x 1024	1920 x 2160 (60 Hz) x 4, 1920 x 1080 (60 Hz), YPbPr 1920 x 1080 (60 Hz)	TDL3600-QL: 3840 x 2160 TDL3600-DL: 2560 x 1600 TDL3600-SL/TDL2300-SL: 1920 x 1200	—
Connector	RJ11 x 2 (Upstream, Downstream), Supported Signal: RS 232-Bus	—	—	Ethernet x 2
USB Ports	—	—	—	USB downstream x 2
Power Requirements	AC adapter: AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz Converter: 12 - 24 VDC	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	PC side: through DVI interface Monitor side: 5 V support from monitor Optional: 5 V external power supply	AC adapter: AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz Monitor: 12 - 24 VDC
Power Consumption	10 W	20 W	—	—
Degree of Protection	IP20	IP20	—	IP65 for front, IP21
Net Weight	860 g	1.1 kg	—	2.2 kg
Mechanical Adaption	Injection nut M3 on each side (distance 31.8 mm) x 2	19", 1U high	—	VESA standard 75 x 75 mm
Certifications and Standards*	EN60950, UL60950, CAN/CSA C22.2 No.950, EN60601-1-2-B, FCC-A, RoHS, China RoHS, WEEE	EN60950, EN55022 Class B, EN55024, FCC-A, RoHS, China RoHS, WEEE	IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, UL60601-1, EN60601-1-2 Class B, FCC-A, RoHS, China RoHS, WEEE	CE, cULus, EN60601-1 (3rd edition), FCC-B, EN55011-B, RoHS, China RoHS, WEEE
Supplied Accessories	AC adapter, signal cable (VGA ~ VGA, DVI ~ DVI), remote key pad with 30 m cable, Utility Disk (user's manual)	Adapter mini DIN to 3 x cinch, external power supply	TDL3600-QL: Transmitter x 2, Receiver x 2, mounting set for LX600W/LS560W, mounting set for LMM56800/LMM0802, 36 m cable x 4, TDL3600-DL: Transmitter, Receiver, 36 m cable x 2, external power supply, TDL3600-SL: Transmitter, Receiver, 36 m cable, external power supply, TDL2300-SL: Transmitter, Receiver, 23 m cable, external power supply, Utility Disk (user's manual)	AC power cord, AC adapter, Utility Disk (user's manual)
Warranty	Two Years	Two Years	Two Years	Two Years
Dimensions (Unit:mm)				

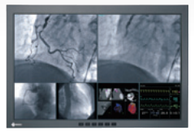
Please contact the EIZO subsidiary or distributor in your country for the latest information.

Specifications

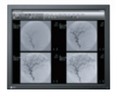


60" WIDE RadiForce LX600W

56" WIDE RadiForce LS560W



29.8" WIDE RadiForce LX300W

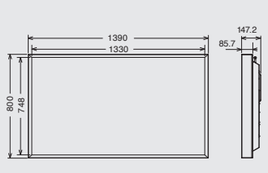
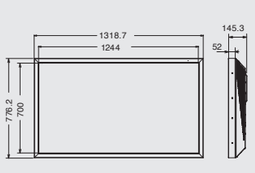
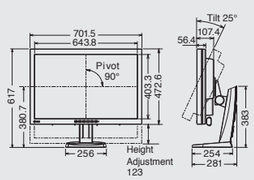
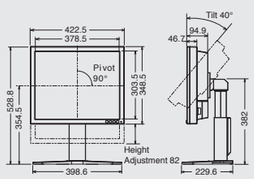
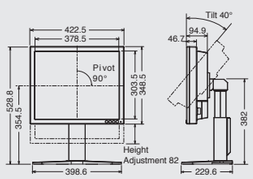
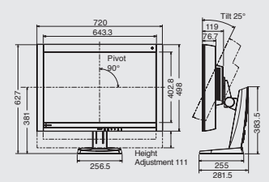
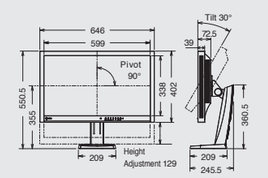
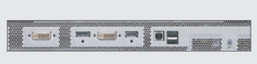


19" SMD 19102

19" SCD 19102

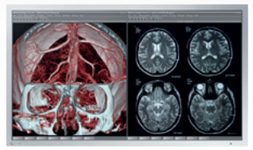
29.8" WIDE RadiForce RX440

27" WIDE RadiForce MX270W

Model Variations		LX600W: Without Panel Protector, without Stand LX600WP: With Panel Protector, without Stand	–	LX300W: Without Stand, without Panel Protector LX300W-S: With Stand, without Panel Protector LX300W-P: Without Stand, with Panel Protector	SMD 19102 D: With Stand SMD 19102 DL: With Stand, with Last Image Hold function SMD 19102 C: Without Stand SMD 19102 CP: Without Stand, with Panel Protector	SCD 19102 D: With Stand SCD 19102 C: Without Stand SCD 19102 CP: Without Stand, with Panel Protector	–	–
Cabinet Color		Antracite Gray	Antracite Gray	Black	Antracite Gray	Antracite Gray	Black	Black
Panel	Type	TFT Color LCD Panel (VA)	TFT Color LCD Panel (VA)	TFT Color LCD Panel (IPS)	TFT Monochrome LCD Panel (IPS)	TFT Color LCD Panel (IPS)	TFT Color LCD Panel (IPS)	TFT Color LCD Panel (IPS)
	Backlight	LED	CCFL	LED	CCFL	CCFL	LED	LED
	Size	153 cm / 60.1" (1,526 mm diagonal)	143 cm / 56.2" (1,430 mm diagonal)	76 cm / 29.8" (756 mm diagonal)	48 cm / 19" (481 mm diagonal)	48 cm / 19" (481 mm diagonal)	76 cm / 29.8" (756 mm diagonal)	68 cm / 27" (684 mm diagonal)
	Native Resolution	3840 x 2160 (16:9 aspect ratio)	3840 x 2160 (16:9 aspect ratio)	2560 x 1600 (16:10 aspect ratio)	1280 × 1024 (5:4 aspect ratio)	1280 x 1024 (5:4 aspect ratio)	2560 x 1600 (16:10 aspect ratio)	2560 x 1440 (16:9 aspect ratio)
	Display Size (H x V)	1330 x 748 mm	1244 x 700 mm	641 x 401 mm	376 × 301 mm	376 x 301 mm	641.2 x 400.8 mm	596.7 x 335.6 mm
	Pixel Pitch	0.3465 x 0.3465 mm	0.324 x 0.324 mm	0.2505 x 0.2505 mm	0.294 × 0.294 mm	0.294 × 0.294 mm	0.2505 x 0.2505 mm	0.233 x 0.233 mm
	Grayscale Tones	–	–	–	256 tones	–	–	–
	Display Colors	16.77 million colors	16.77 million colors	10-bit colors (DisplayPort): 1.07 billion maximam colors 8-bit colors: 16.77 million colors	–	16.77 million colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort): 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors
	Viewing Angles (H / V, typical)	176°, 176°	176°, 176°	170°, 170°	170°, 170°	170°, 170°	176°, 176°	178°, 178°
	Brightness (typical)	520 cd/m²	450 cd/m²	750 cd/m²	1,000 cd/m²	280 cd/m²	750 cd/m²	300 cd/m²
	Recommended Brightness for Calibration	300 cd/m²	300 cd/m²	400 cd/m²	400 cd/m²	–	400 cd/m²	–
	Contrast Ratio (typical)	4000:1	1200:1	1100:1	900:1	600:1	1100:1	1000:1
	Response Time (typical)	6 ms (Midtone)	6.5 ms (Midtone)	20 ms (On/Off)	25 ms (On/Off)	28 ms (On/Off)	20 ms (On/Off)	12 ms (On/Off), 8 ms (Midtone)
Video Signals	Input Terminals	DVI-D (dual link) x 2	DVI-D (dual link) x 2	DVI Dual Link x 1, DVI Single Link x 1, HDMI (DVI-Signal) x 1, DisplayPort x 1	DVI-I x 1, D-Sub mini 15 pin x 1, BNC x 4, S-Video x 1	BNC (Composite) x 1, DVI-I x 1, D-Sub mini 15 pin (Separate Sync, Composite Sync, SoG) x 1, S-Video x 1	DVI-D (dual link) x 1, DVI-D (single link) x 1, DisplayPort x 1	DVI-D x 1, DisplayPort x 1
	Output Terminals (Loop Through)	–	–	–	BNC (SoG) x 1	–	–	–
	Digital Scanning Frequency (H / V)	124 - 131.4 kHz, 59.7 - 60.3 Hz	131.3 kHz, 59.7 - 60.3 Hz	31 - 100 kHz, 29.5 - 61 Hz (VGA Text: 69 - 71 Hz) Frame synchronous mode: 59.5 - 60.5 Hz	31 - 100 kHz, 48 - 85 Hz	31 - 100 kHz, 48 - 85 Hz	31 - 159 kHz, 29 - 61 Hz (VGA Text: 69 - 71 Hz) Frame synchronous mode: 59 - 61 Hz, 29.5 - 30.5 Hz	31 - 89 kHz, 29.5 - 61 Hz (VGA Text: 69 - 71 Hz)
	Analog Scanning Frequency (H / V)	–	–	–	24 - 100 kHz, 50 -100 Hz	24 - 100 kHz, 48 -120 Hz	–	–
	Sync Formats	–	–	–	Separate, Composite, Sync-on-Green	–	–	–
USB	Function	–	–	1 upstream, 2 downstream	–	–	1 upstream, 2 downstream	1 upstream, 2 downstream
	Standard	–	–	Rev. 2.0	–	–	Rev. 2.0	Rev. 2.0
Power	Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	500 W	500 W	200 W	58 W	58 W	167 W	82 W
	Typical Power Consumption	–	–	–	26 W	–	84 W	41 W
	Power Save Mode	Less than 41 W	Less than 41 W	Less than 10 W	Less than 8 W	Less than 8 W	Less than 0.7 W	Less than 1 W
	Power Management	DVI DMPM	DVI DMPM	DVI DMPM, DisplayPort 1.1a	Digital: DVI DMPM, Analog: VESA DPM	Digital: DVI DMPM, Analog: VESA DPM	DVI DMPM, DisplayPort 1.1a	DVI DMPM, DisplayPort 1.1a
Sensor		Backlight Sensor x 2	Backlight Sensor x 2	Backlight Sensor	Backlight Sensor	Backlight Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor
OSD Languages		–	–	English, German	English, German	English, German	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Physical Specifications	Net Weight	LX600W: 60 kg LX600WP: 70 kg	48.2 +/- 1.8 kg	LX300W: 15.5 kg +/- 1 kg, LX300W-S: 19.5 kg +/- 1 kg LX300W-P: 18.5 kg +/- 1 kg	SMD 19102 D, SMD 19102 DL: 10.7 kg SMD 19102 C: 6.4 kg, SMD 19102 CP: 7 kg	SCD 19102 D: 10.7 kg, SCD 19102 C: 6.4 kg SCD 19102 CP: 7 kg	20.2 kg	11.1 kg
	Net Weight (Without Stand)	–	–	–	–	–	16.0 kg	8.4 kg
	Hole Spacing (VESA Standard)	400 x 400 mm	400 x 400 mm	200 x 100 mm and 100 x 100 mm	100 x 100 mm	100 x 100 mm	200 x 100 mm and 100 x 100 mm	100 x 100 mm
Environmental Requirements		IP20	IP20	IP 20	SMD 19102 D, SMD 19102 DL, SMD 19102 C: IP20 SMD 19102 CP: IP22 for front, IP20	SCD 19102 D, SCD 19102 C: IP20 SCD 19102 CP: IP22 for front, IP20	–	–
Certifications & Standards*		CE (Medical Device Directive), IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, EN60601-1-2 Class B, UL60601-1, FCC-A, C-tick, RoHS, China RoHS, WEEE, GOST-R	CE (Medical Device Directive), IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, EN60601-1-2 Class A, UL60601-1, FCC-A, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, UL60601-1, FCC-B, C-tick, RoHS, WEEE, China RoHS, GOST-R	CE (Medical Device Directive), IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, UL60601-1, FCC-A, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), IEC/EN60601-1 (3rd edition), IEC/EN60601-1 (2nd edition), CAN/CSA C22.2 No. 601-1 M90, CAN/CSA No. 60601-1-08, UL60601-1, FCC-A, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R
FDA 510(k) Clearance		–	–	–	–	KQM FDA listing in accordance with 878.4160	–	Yes (for General Radiography)
Supplied Accessories		AC power cord, dual link signal cable (DVI-D – DVI-D), Utility Disk (user's manual)	AC power cord, dual link signal cable (DVI-D – DVI-D), Utility Disk (user's manual)	AC power cord (LX300W-S only), dual link signal cable (DVI-D - DVI-D, LX300W-S only), Utility Disk (RadiCS LE, user's manual)	AC power cord, signal cable (DVI-D – DVI-D), Utility Disk (user's manual)	AC power cord, signal cable (DVI-D – DVI-D, BNC – D-Sub mini 15 pin), Utility Disk (user's manual)	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical)	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual), warranty card
Warranty		Two Years	Two Years	Five Years	Five Years	Five Years	Five Years	Five Years
Dimensions (Unit: mm)								
Connectors								

**Please contact the EIZO group company or distributor in your country for the latest information.*

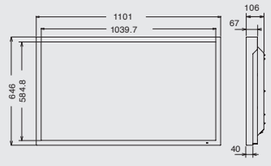
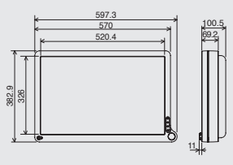
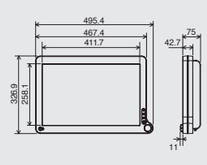
Specifications



47" WIDE RadiForce LX470W

24" WIDE RadiForce EX240W

19" WIDE RadiForce EX190W

Model Variations		–	–	–
Cabinet Color		Black, White	Light Gray	Light Gray
Panel	Type	TFT Color LCD Panel (IPS)	TFT Color LCD Panel (IPS)	TFT Color LCD Panel (IPS)
	Backlight	CCFL	CCFL	CCFL
	Size	119 cm / 47" (1,193 mm diagonal)	61 cm / 24" (611 mm diagonal)	48 cm / 19" (482 mm diagonal)
	Native Resolution	1920 x 1080 (16:9 aspect ratio)	1920 x 1200 (16:10 aspect ratio)	1680 x 1050 (16:10 aspect ratio)
	Display Size (H x V)	1039.7 x 584.8 mm	518.4 x 324 mm	409.5 x 255.9 mm
	Pixel Pitch	0.5415 x 0.5415 mm	0.270 x 0.270 mm	0.243 x 0.243 mm
	Display Colors / Grayscale Tones	16.77 million colors	16.77 million colors	16.77 million colors
	Viewing Angles (H / V, typical)	178°, 178°	178°, 178°	170°, 170°
	Brightness (typical)	700 cd/m²	280 cd/m²	300 cd/m²
	Recommended Brightness for Calibration	–	–	–
	Contrast Ratio (typical)	1000:1	700:1	900:1
	Response Time (typical)	9 ms (Midtone)	13 ms (On/Off)	25 ms (On/Off)
Video Signals	Input Terminals	BNC (HD-SDI) x 1, BNC (Composite) x 1, DVI-I x 1, HDMI x 1, D-Sub mini 15 pin (Separate Sync, Composite Sync, SoG*,YPbPr*, RGBS*, RGB/HV*) x 1, S-Video x 1	BNC (3G-SDI) x 2, BNC (Composite, SOG) x 1, BNC (Component) x 1, DVI-I x 1, D-Sub mini 15 pin (Separate Sync, Composite Sync, SoG) x 1, S-Video x 1	BNC (HD-SDI) x 2, BNC (Composite, SOG) x 1, BNC (Component) x 1, DVI-I x 1, D-Sub mini 15 pin (Separate Sync, Composite Sync, SoG) x 1, S-Video x 1
	Output Terminals (Loop Through)	BNC (HD-SDI, Composite) x 2, D-Sub mini 15 pin (VGA) x 1, S-Video x 1	BNC (3G-SDI) x 1, BNC (Composite, SoG) x 1, BNC (Component) x 1, S-Video x 1	BNC (HD-SDI) x 1, BNC (Composite, SoG) x 1, BNC (Component) x 1, S-Video x 1
	Digital Scanning Frequency (H / V)	15 - 100 kHz, 50 - 85 Hz	–	–
	Analog Scanning Frequency (H / V)	15 - 100 kHz, 50 - 85 Hz	31.47 - 79.98 kHz, 50 - 85 Hz	31.47 - 79.98 kHz, 50 - 85 Hz
	Sync Formats	–	–	–
USB	Function	1 upstream, 2 downstream	–	–
	Standard	Rev. 2.0	–	–
Power	Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC adapter: AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz Monitor: DC 24 V, 6.25 A	AC adapter: AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz Monitor: DC 18 V, 5.6 A
	Maximum Power Consumption	270 W	110 W	65 W
	Typical Power Consumption	–	–	–
	Power Save Mode	Less than 14 W	Less than 27 W	Less than 27 W
	Power Management	Digital: DVI DMPM, Analog: VESA DPM	Digital: DVI DMPM, Analog: VESA DPM	Digital: DVI DMPM, Analog: VESA DPM
Sensor		Backlight Sensor	–	–
OSD Languages		English, German	English, German, French, Japanese, Chinese, Korean	English, German, French, Japanese, Chinese, Korean
Physical Specifications	Net Weight	40 kg	7.5 kg	6.6 kg
	Net Weight (Without Stand)	40 kg	7.5 kg	6.6 kg
	Hole Spacing (VESA Standard)	400 x 200 mm	100 x 100 mm	100 x 100 mm
Environmental Requirements		IP54 for front, IP20	IP01	IP01
Certifications & Standards*		CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, FCC-A, C-Tick, RoHS, China RoHS, WEEE, CCC	CE (Medical Device Directive), EN 60601-1, UL 60601-1, VCCI-B, FCC-B, C-Tick, RoHS, China RoHS, WEEE, CCC	CE (Medical Device Directive), EN 60601-1, UL 60601-1, VCCI-B, FCC-B, C-Tick, RoHS, China RoHS, WEEE, CCC
FDA 510(k) Clearance		–	–	–
Supplied Accessories		AC power cord, signal cable (DVI-D – DVI-D), remote control, Utility Disk (user's manual)	AC power cord, AC adapter, signal cable (DVI-D – DVI-D, D-Sub mini 15 pin – D-Sub mini 15 pin, S-Video – S-Video, BNC – BNC), 4 screws for mount option, user's manual	AC power cord, AC adapter, signal cable (DVI-D – DVI-D, D-Sub mini 15 pin – D-Sub mini 15 pin, S-Video – S-Video, BNC – BNC), 4 screws for mount option, user's manual
Warranty		Three Years	18 Months	18 Months
Dimensions (Unit: mm)				
Connectors				

Please contact the EIZO group company or distributor in your country for the latest information.

Accessory Compatibility

Ceiling and Wall Mounts, and Stands

With a selection of ceiling and wall mount, and stand options, EIZO's monitors can be optimally fit to the local site, providing improved ergonomics and use of space.

Ceiling Suspension / CEMOR-MMP90

Two arm with motor, compatible with LX600W, LX600WP and LS560W.

Ceiling Suspension / CEMOR-MMP85

One arm spring, compatible with LX600W, LX600WP and LS560W.

Wall Mount / FWM6300

Compatible with LX600W, LX600WP, LS560W and LX470W.

Stand / FST5600

Compatible with LS560W.

Stand / FST4700

Compatible with LX470W.

Holder / FID1000

Compatible with CID1000P.

Cable & TDL Holder / FMM0800

Compatible with LMM0801, LMM0802, LMM0804

Panel Protector

An additional panel protector protects the monitor surface against liquids and scratches and alleviates monitor front desinfection.

Protection Screen / FPP5600

Compatible with LS560W.

Panel Protector / FP-2702W*

Compatible with MX270W.

Cleaner

Keep the screen free from dust and fingerprints with this screen cleaner kit. Includes pump spray and cloth.

Monitor Cleaning Kit / ScreenCleaner

Compatible with all monitors.

Signal Cables and Adapters

Various cables and adapters permit trouble-free integration of our monitors even into highly complex systems.

DVI-D ~ DVI-D Dual Link Signal Cable

2 m, compatible with LX600W, LX600WP, LS560W, LX300W, RX440 and MX270W.

DVI-D ~ DVI-D Single Link Signal Cable

3 m, compatible with LX300W, LX470W, SMD 19102, and SCD 19102.

DVI-D ~ HDMI Signal Cable

5 m, compatible with LMM56800, LMM0804, LMM0802 and LMM0801.

DVI to HDMI Conversion Adapter

Compatible with LMM56800, LMM0804, LMM0802 and LMM0801.

BNC to VGA Conversion Adapter

Compatible with LX470W, SCD 19102, and PDC0100.

Link Set / TDL3600-R9

36 m cable with TDL receiver and power supply, compatible with LMM0804 (one set is needed for each monitor connected to LMM0804)

Link Set / TDL2300-R9

23 m cable with TDL receiver and power supply, compatible with LMM0804 (one set is needed for each monitor connected to LMM0804)

*Integrated Front Sensor is unusable with panel protector.

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